Opportunity Title: Database Developer and Analyst
Opportunity Reference Code: DHS-RPP-2020-001

Organization	U.S. Department of Homeland Security (DHS)
Reference Code	DHS-RPP-2020-001
How to Apply	**Components of the online application are as follows:**

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Components of the online application are as follows:

- Complete Zintellect profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted.
- Professional Recommendation: Applicants are required to provide contact information for one recommendation in order to submit the application. Recommendations must be submitted on your behalf through Zintellect before an offer is made.

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system.

Application reviews will begin on September 30, 2020 and will continue until a candidate is selected for this opportunity.
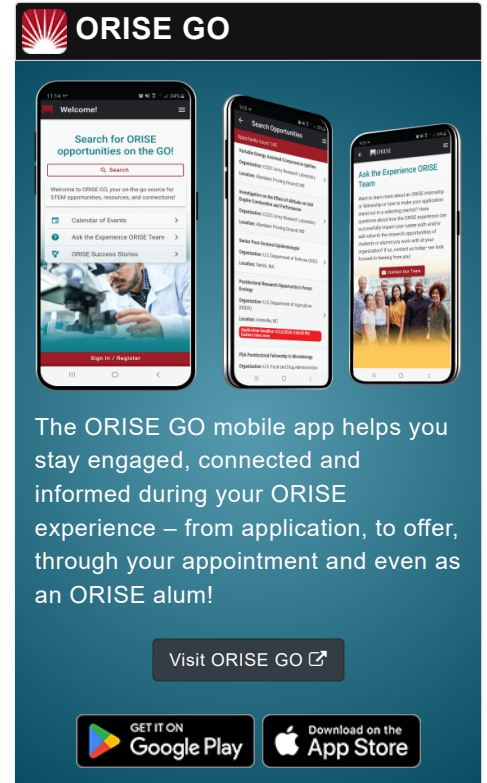
If you have questions, send an email to dhsed@orau.org. Please list the reference code of this opportunity [DHS-RPP-2020-001] in the subject line of the email.

Description	DHS Science and Technology Directorate is offering a unique opportunity that will support the Office of Innovation and Collaboration (I&C) to develop, build and maintain a database/website interface for technical analyses, program reviews, and annual reports.

What will I be doing? You will review and examine the existing databases within the I&C, assess the needs of I&C staff and customers, develop a strategic plan for I&C database management and collaborate in the execution of the development plan.

Other activities may include:

- Provide written documentation regarding the technical requirements.
- Develop databases to support innovative web-based applications.
- Troubleshoot software problems and provide solutions to

overcome those problems.

- Present development progress to management, colleagues, and customers.
- Develop plans for better leveraging those capabilities to address S&T needs.
- Collaborate in the development of impact metrics for the capabilities.
- Brief I&C leadership and S&T stakeholders on database requirements, desired impact and development progress

Activities may also include interpreting data and analyzing results using appropriate methods, techniques, and visualizations; practice identifying, analyzing, interpreting, and visualizing trends and patterns in complex data sets; gaining knowledge of state-of-the-art statistical, analytical, and visualization methods and techniques through reading, meetings with federal and non-federal researchers and analysts, and participation in professional meetings.

About I&C

The Office of Innovation and Collaboration (I&C), located within the Department of Homeland Security's (DHS) Science and Technology Directorate (S&T), comprises approximately 800 Federal and contractor employees that make up a robust, highly technical staff. I&C's unique role supports innovation and technology transfer to developers and ultimately to users. I&C provides the infrastructure, expertise, and resources to make sound R&D investment decisions, support R&D program strategies, and manage and implement tools that allow S&T to sponsor critical research and development activities including the commercialization of technology for the Homeland Security Enterprise (HSE). This enables the diversification of investments across a broader range of operational needs, increasing technology transition, and leveraging other agency investments to avoid duplication in R&D investments. As part of their operations, each of the I&C divisions have developed several databases to track project information and store deliverables. Consequently, I&C overall has a disparate, non-integrated approach with multiple document types stored on multiple platforms in multiple ways.

I&C integrates the efforts of five divisions: The Office of National Laboratories, the Office of Industry Partnerships, the Office of University Programs, the International Cooperative Programs Office, and the Federally-Funded Research and Development Center Program Management Office. Through partnerships with the private sector, Federal research laboratories, other Federal departments and agencies, academia, and select international partners, I&C provides S&T and DHS Components with pathways to external research, development, test, and evaluation (RDT&E) investments and non-traditional performers to sponsor cutting-edge technology and capability development

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and deliver high-impact solutions for S&T customers.

Location

Washington, D.C.

Appointment Length

This appointment is a twelve month research appointment, with the possibility to be renewed for additional research periods. Appointments may be extended depending on funding availability, project assignment, and availability of the participant.

Participant Benefits

You will receive a stipend to be determined by DHS. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement. Participants are eligible to purchase health insurance through ORISE.
- Relocation Allowance
- Training and Travel Allowance

Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DHS, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Application reviews will begin on September 30, 2020 and will continue until a candidate is selected for this opportunity.

Qualifications   This research opportunity is open to U.S. citizens. DHS S&T is seeking a candidate that recently completed a bachelors degree in a STEM related field to include mathematics, engineering, statistics, physics, chemistry, computer science, etc.

The desired candidate will have:

- Experience in database or information system management, development, and strategic planning for an organization
- Completed undergraduate degree
- Completed coursework or have experience in database design, information management, computer science or related field
- Experience with one or more computer programming languages (C#, VBA, C++, R, Python, Java, etc.)
- Interest in developing strategic plans for database development to meet an organization's needs

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While participants will not enter into an employment relationship with DHS or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree.
- **Discipline(s):**
    - **Chemistry and Materials Sciences** (12 👁)
    - **Communications and Graphics Design** (2 👁)
    - **Computer, Information, and Data Sciences** (16 👁)
    - **Earth and Geosciences** (21 👁)
    - **Engineering** (27 👁)
    - **Environmental and Marine Sciences** (14 👁)
    - **Life Health and Medical Sciences** (45 👁)
    - **Mathematics and Statistics** (10 👁)
    - **Other Non-Science & Engineering** (3 👁)
    - **Physics** (16 👁)
    - **Science & Engineering-related** (1 👁)
    - **Social and Behavioral Sciences** (27 👁)
- **Age:** Must be 18 years of age